

Title (en)

ELECTROMAGNETIC STIRRING METHOD IN HORIZONTAL CONTINUOUS CASTING

Publication

EP 0117067 B1 19860326 (EN)

Application

EP 84300354 A 19840120

Priority

JP 831883 A 19830120

Abstract (en)

[origin: US4529030A] A horizontal continuous casting process wherein at least two electromagnetic stirring devices of a rotary magnetic field type are arranged in series direction whereby electromagnetic stirring force acts on non-solidified molten metal, and the distance between the electromagnetic stirring devices of first and second stages is set to specified relation.

IPC 1-7

B22D 11/04; **B22D 11/10**; **B22D 11/12**; **B22D 11/14**

IPC 8 full level

B22D 11/10 (2006.01); **B22D 11/04** (2006.01); **B22D 11/115** (2006.01); **B22D 11/12** (2006.01)

CPC (source: EP KR US)

B22D 11/10 (2013.01 - KR); **B22D 11/115** (2013.01 - EP US); **B22D 11/122** (2013.01 - EP US)

Cited by

EP0204685A1; EP0729798A4; CN104259413A; US6336496B1; WO9102609A1

Designated contracting state (EPC)

DE FR GB IT SE

DOCDB simple family (publication)

US 4529030 A 19850716; AU 2356184 A 19840726; AU 559994 B2 19870326; CA 1214920 A 19861209; DE 3460056 D1 19860430; EP 0117067 A1 19840829; EP 0117067 B1 19860326; JP H0362502 B2 19910926; JP S59133957 A 19840801; KR 840007373 A 19841207; KR 870000820 B1 19870423

DOCDB simple family (application)

US 57225184 A 19840120; AU 2356184 A 19840118; CA 445489 A 19840118; DE 3460056 T 19840120; EP 84300354 A 19840120; JP 831883 A 19830120; KR 840000245 A 19840120